

IN THE ABSTRACT:

ABSTRACT OF THE DISCLOSURE

In ~~concurrent incremental garbage collectors~~incremental garbage collectors based
on the Train algorithm a futile condition may exist where the collector never finishes
5 collecting an old train. The present invention provides an expanded collection set of a
younger car with an object referenced from another train. That reference will be found
by scanning the remembered sets of other car. If no such younger car is found, then a
younger car with an external reference may be added to the collection set. One of these
other cars is added to the collection set and, if there are no other changes, the collection
10 will reduce the volume in the train being collected and therefore break the futile situation.